



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D2230-1
Job Sheet 178492



Part No: D2230-1

Job Qty: 100 ea

Part Name: Mounting Lug



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 6/1/18

Job Tracking No:

Due Date: 6/15/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: D2230 REV.G IPP REV.C 18.02.02 REMOVE FINISH DD VERF.JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Purchasing	100 pcs		6/15/18	0.00	0.00	Purchasing		AF 18/06/18
120	Packaging	100 pcs		6/15/18	0.00	0.00	Packaging2		AF 18/06/18
130	QC	100 pcs		6/15/18	0.00	0.00	QC6		JUN 14 2018
180	Packaging	100 pcs		6/15/18	0.00	0.00	Packaging3	ST525A	AF 18-6-17
190	QC21-SA	100 Ea		6/15/18	0.00	0.00	QC21		

Part Op 110 - Issue P/O to Metec: 40089 Manufacture as per dwg C of C is required
Descriptions: 120 - Ensure C of C is attach

JUN 01 2018

X100 13 2-00

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
D2230-1P	Lug	100 pcs (1 ea)	110-Purchasing	5280380
D2423	Lug Extrusion	6.8300 ft (.0683 ea)	110-Purchasing	5080381

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-Purchasing	D2230-1P	100	0	0
	D2423	7	696	0

Part Specifications

Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Mounting Lug	4.450Inches ± 0.010	4.460 4.440		
2	Mounting Lug	0.306Inches ± 0.010	0.316 0.296		
3	Mounting Lug	0.345Inches ± 0.010	0.355 0.335		
4	Mounting Lug	0.400Inches ± 0.010	0.410 0.390		
5	Mounting Lug	0.250Inches ± 0.010	0.260 0.240		
6	Mounting Lug	3.700Inches ± 0.010	3.710 3.690		
7	Mounting Lug	0.750Inches ± 0.010	0.760		

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube ☐</td> <td>Cross tube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td></td> <td>Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐		Supplier ☐																																																	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																																																																		
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																																																																		
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																																																																		
Large Fab ☐		Supplier ☐																																																																			
Date : _____	Str _____	MRB (QSI042) Approval _____ Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____																																																																			
1270 Borden Street Newbury, ON K6A 1K7 CANADA TEL: 1 813 632-5200 Email: sales@dartaero.com www.dartaerospace.com Container No: S080387 Part: D2230-1 Job No: 178492 Serial No/Batch: S080387 Revision: _____ Inspector: _____ Exp Date: _____ Instructions: _____ Date: 06/12/18																																																																					
<table style="width:100%;"> <tr> <td colspan="2" style="text-align: center;">Root Cause</td> <td colspan="3"></td> </tr> <tr> <td style="width:15%;">Environment ☐</td> <td style="width:15%;">☐</td> <td style="width:15%;">No Re-verification ☐</td> <td colspan="2"></td> </tr> <tr> <td>Design ☐</td> <td>☐</td> <td>Operator ☐</td> <td colspan="2"></td> </tr> <tr> <td>Doc/Data ☐</td> <td>☐</td> <td>Offset/Setup ☐</td> <td colspan="2"></td> </tr> <tr> <td>Equip/Tooling ☐</td> <td>☐</td> <td>Supplier ☐</td> <td colspan="2"></td> </tr> <tr> <td>Handling/Pre ☐</td> <td>☐</td> <td>Training ☐</td> <td colspan="2"></td> </tr> <tr> <td>Material ☐</td> <td>☐</td> <td>Use for Testing ☐</td> <td colspan="2"></td> </tr> <tr> <td>Internal Transport ☐</td> <td>☐</td> <td>Poor Information ☐</td> <td colspan="2"></td> </tr> <tr> <td>Tribal Knowledge ☐</td> <td>☐</td> <td>Rushing ☐</td> <td colspan="2"></td> </tr> <tr> <td>LOA ☐</td> <td>☐</td> <td>Product Improvement ☐</td> <td colspan="2"></td> </tr> <tr> <td>Substation ☐</td> <td>☐</td> <td>Process Improvement ☐</td> <td colspan="2"></td> </tr> <tr> <td>Past Expiry Date ☐</td> <td>☐</td> <td>Manufacturing Process ☐</td> <td colspan="2"></td> </tr> <tr> <td>Misidentified ☐</td> <td>☐</td> <td>Past Due ☐</td> <td colspan="2"></td> </tr> </table>					Root Cause					Environment ☐	☐	No Re-verification ☐			Design ☐	☐	Operator ☐			Doc/Data ☐	☐	Offset/Setup ☐			Equip/Tooling ☐	☐	Supplier ☐			Handling/Pre ☐	☐	Training ☐			Material ☐	☐	Use for Testing ☐			Internal Transport ☐	☐	Poor Information ☐			Tribal Knowledge ☐	☐	Rushing ☐			LOA ☐	☐	Product Improvement ☐			Substation ☐	☐	Process Improvement ☐			Past Expiry Date ☐	☐	Manufacturing Process ☐			Misidentified ☐	☐	Past Due ☐		
Root Cause																																																																					
Environment ☐	☐	No Re-verification ☐																																																																			
Design ☐	☐	Operator ☐																																																																			
Doc/Data ☐	☐	Offset/Setup ☐																																																																			
Equip/Tooling ☐	☐	Supplier ☐																																																																			
Handling/Pre ☐	☐	Training ☐																																																																			
Material ☐	☐	Use for Testing ☐																																																																			
Internal Transport ☐	☐	Poor Information ☐																																																																			
Tribal Knowledge ☐	☐	Rushing ☐																																																																			
LOA ☐	☐	Product Improvement ☐																																																																			
Substation ☐	☐	Process Improvement ☐																																																																			
Past Expiry Date ☐	☐	Manufacturing Process ☐																																																																			
Misidentified ☐	☐	Past Due ☐																																																																			
<table style="width:100%;"> <tr> <td style="width:33%;">☐ Broken/Damage/Defect</td> <td style="width:33%;">☐ Weld</td> <td style="width:33%;">☐ Positioned Wrong</td> </tr> <tr> <td>☐ Inspection Incomplete/Unqualified</td> <td>☐ Wrong Stock Pulled</td> <td>☐ Outside Dimensions</td> </tr> <tr> <td>☐ Contamination</td> <td>☐ Out of Sequence</td> <td>☐ Over/Under tolerance</td> </tr> <tr> <td>☐ Countersink</td> <td>☐ Off-set</td> <td>☐ Part Incorrect</td> </tr> <tr> <td>☐ Cut Too Short</td> <td>☐ Mislabeled</td> <td>☐ Part Lost/Missing</td> </tr> <tr> <td>☐ Instructions Incomplete/Unclear</td> <td>☐ Fit/Function</td> <td>☐ Part Moved</td> </tr> <tr> <td>☐ Drill Holes</td> <td>☐ Misaligned/off center</td> <td>☐ Drawing</td> </tr> <tr> <td></td> <td></td> <td>☐ Finish</td> </tr> <tr> <td></td> <td></td> <td>☐ Misread</td> </tr> <tr> <td></td> <td></td> <td>☐ Turning Sequence</td> </tr> </table>					☐ Broken/Damage/Defect	☐ Weld	☐ Positioned Wrong	☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Outside Dimensions	☐ Contamination	☐ Out of Sequence	☐ Over/Under tolerance	☐ Countersink	☐ Off-set	☐ Part Incorrect	☐ Cut Too Short	☐ Mislabeled	☐ Part Lost/Missing	☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Part Moved	☐ Drill Holes	☐ Misaligned/off center	☐ Drawing			☐ Finish			☐ Misread			☐ Turning Sequence																																			
☐ Broken/Damage/Defect	☐ Weld	☐ Positioned Wrong																																																																			
☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Outside Dimensions																																																																			
☐ Contamination	☐ Out of Sequence	☐ Over/Under tolerance																																																																			
☐ Countersink	☐ Off-set	☐ Part Incorrect																																																																			
☐ Cut Too Short	☐ Mislabeled	☐ Part Lost/Missing																																																																			
☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Part Moved																																																																			
☐ Drill Holes	☐ Misaligned/off center	☐ Drawing																																																																			
		☐ Finish																																																																			
		☐ Misread																																																																			
		☐ Turning Sequence																																																																			
OTHER : _____																																																																					

			0.740	
8	Mounting Lug	0.257Inches + 0.005 - 0.000	0.262 0.257	Diameter
9	Mounting Lug	1.910Inches ± 0.010	1.920 1.900	
10	Mounting Lug	1.200Inches ± 0.010	1.210 1.190	Radius
11	Mounting Lug	0.375Inches ± 0.010	0.385 0.365	
12	Mounting Lug	0.273Inches ± 0.010	0.283 0.263	

Plex 6/1/18 7:26 AM Dart.lajeunesse.marie

DQA: _____ Date: _____



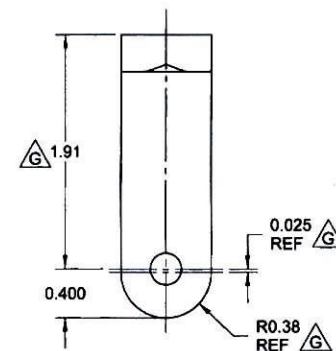
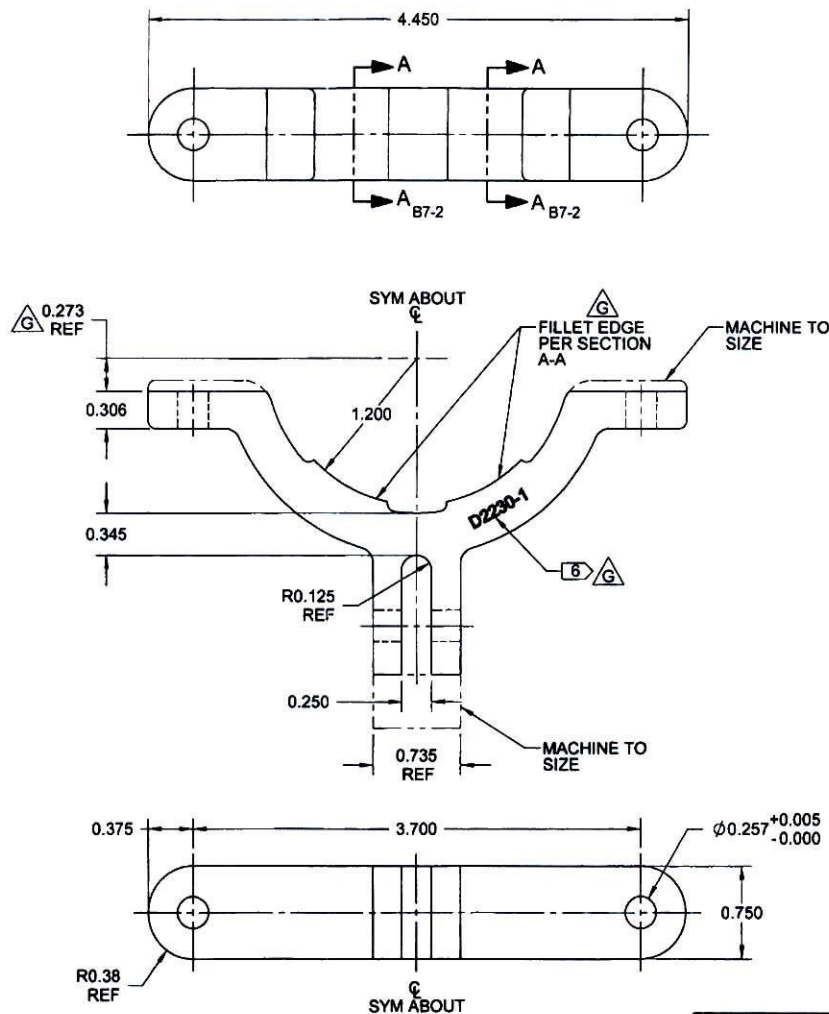
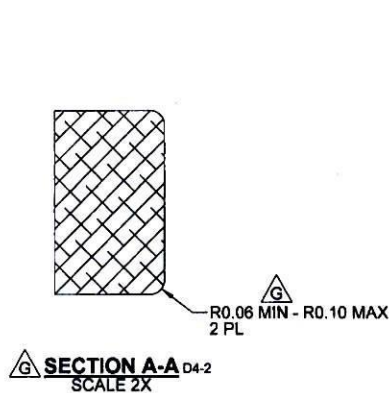
WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 178492-MJS
18-06-01



D2230-1 MOUNTING LUG

RELEASED
09/06/25 MJS

DESIGN	BW	DART AEROSPACE LTD	
DRAWN	AJS	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO. D2230	REV. G
MFG. APPR.			SHEET 2 OF 3
APPROVED		TITLE	SCALE
DE APPR.		MOUNTING LUG	NTS
DATE	09.01.16	COPYRIGHT © 1994 BY DART AEROSPACE LTD	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO040084**

Supplier: MEM001-VC
Metec Metal Technology Inc.
20 Terry Fox Drive PO Box 781
Vankleek Hill
ON
K0B 1R0 Canada
Phone: 613 678 3957
Fax: 613 678 3956

Attention: Walz, Shigi

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO040084

PO Date: 6/1/18

Due Date: 6/22/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Phone:

Via: Ground

Pynt Terms: Net 60

Freight Terms:

Special Comments:

E-MAILED
JUN 01 2018

Items

Line Item	Part	Supplier Part No	Item No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	D2230-1P			Lug As Per Dwg D2230 Rev. G Alodine and Paint as per QSI 005	Firmed	6/22/18	100 pcs	0 pcs	100 pcs	\$16.10/pcs	\$1,610.00
Line Item Note w/o 178492											
2	D2230-3P			Lug As Per Dwg D2230 Rev. G Alodine and Paint as per QSI005	Firmed	6/22/18	200 pcs	0 pcs	200 pcs	\$13.80/pcs	\$2,760.00
Line Item Note w/o 178493											

Grand Total: \$4,370.00

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Procurement Quality Clauses

A005 RIGHT OF ENTRY

A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)

A012 CHEMICAL AND PHYSICAL TEST REPORTS

A016 PERSONNEL QUALIFICATION

A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENT

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Plex 6/1/18 1:18 PM dart.lavoie.chantal

**METAL TECHNOLOGY INC.**

20 Terry Fox Drive
Vankleek Hill, Ontario K0B 1R0 , Canada
Tel: (613) 678-3957
Fax: (613) 678-3956

Delivery Slip No.: 22780
Date: Jun 07, 2018
Page: 1

Sold to:	Ship to:
Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, Ontario K6A 1K7	Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, Ontario K6A 1K7
Order No.: PO040084 NC	Sold By: Walz, Christian D.
Shipped By: pick up	Ship Date: Jun 07, 2018

Description	Bin Loc	Unit	Quantity ordered	Quantity shipped	Quantity on B/O
D2230-1 Mounting Lug alodined and painted as per QSI 005		Each	100	100	
D2230-3 Mounting Lug alodined and painted as per QSI 005		Each	200		200

The delivered goods must be inspected upon receipt to confirm compliance.
Should there be discrepancies please notify METEC within 30 days of delivery.
The goods are otherwise deemed accepted.

Received by SP18-6-12

Thank you for your order!

JUN 14 2018
DAS 11 9-89



20 Terry Fox Drive, Vankleek Hill, Ontario K0B 1R0

Tel. (613) 678-3957 & (613) 678-2782 Fax (613) 678-3956 metec@metec.ca

CERTIFICATE OF CONFORMITY

SOLD TO:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, Ont.
K6A 1K7

SHIPPED TO:

same

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>PART NAME</u>	<u>P.O. NUMBER</u>
100	D2230-1	Mounting Lug	40084
	Paint Batch # 22079 / Material Batch # 160522		

DAS
11
2-8-18

MATERIAL: supplied by DART

JUN 14 2018

We hereby certify that the above parts were made in conformance with applicable drawings.

METEC Metal Technology Inc.

Heather Nixon

Vankleek Hill, June 7, 2018



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D2618
Job Sheet 178495



Part No: D2618

Job Qty: 200 ea

Part Name: Bushing



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 6/1/18

Job Tracking No:

Due Date: 6/15/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG REV B1 IPP Rev:F Re-format 05-11-22 JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	200 Ea		6/15/18	0.00	0.00	Start Up Machining-1		mm L 18/06/18
100	Hardinge	200 pcs		6/15/18	0.13	18.62	Hardinge		
120	QC	200 pcs		6/15/18	0.00	0.00	QC8		mm L 18/06/20
130	Packaging	200 pcs		6/15/18	0.00	0.00	Packaging3-1		JUN 20 2018
140	QC21-SA	200 Ea		6/15/18	0.00	0.00	QC21		21 9-80

Part Op 100 - 1-Turn as per Folio FA195 & Dwg D2618.
Descriptions:

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
MDELIRNR0.750	Delrin Round Bar 0.75" Color: Black	51.6000 ft (.258 ea)	90-Start up Operation	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	MDELIRNR0.750	52	106	0

Part Specifications

Spec No	Description	Target/Tolerance	Limits	Type	Special Comments
1	Bushing	3.100inches ± 0.010	3.110 3.090		
2	Bushing	0.500inches + 0.000 - 0.010	0.500 0.490		
3	Bushing	0.313inches + 0.020 - 0.000	0.333 0.313		



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Plex 6/1/18 7:28 AM Dart.lajeunesse.marie

Container No: S082275



Part: D2618

Job No: 178495

Serial No/Batch: S082275

Revision:

Inspector:

Exp Date:

Instructions:

Date: 06/19/18

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					